Notice of Allowability	Application No.	Applicant(s)		
	10/550,824	HIRANO ET AL.		
	Examiner	Art Unit		
	Khiem D. Nguyen	2823		
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.				
1. This communication is responsive to the response filed on September 14 th , 2007.				
2. X The allowed claim(s) is/are 10-25.				
 Acknowledgment is made of a claim for foreign priority una)	been received. been received in Application No cuments have been received in this a	national stage applica		
4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.				
 5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date 				
ldentifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).				
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.				
Attachment(s) 1. ☑ Notice of References Cited (PTO-892)		atant Annlication		
Notice of References Cited (P10-092) Notice of Draftperson's Patent Drawing Review (PT0-948)	5. ☐ Notice of Informal P6. ☐ Interview Summary	''		
3. Information Disclosure Statements (PTO/SB/08),	Paper No./Mail Dat 7.	fail Date		
Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. Examiner's Statement of Reasons for Allowance			
	9. Other			
		K.N. November 20 th , 200	07	

DETAILED ACTION

Response to Amendment

The Declaration under 37 CFR 1.132 filed September 14th, 2007 is sufficient to overcome the rejection of claims10-25 based upon Hirano et al. (JP Pub. 2003057111).

Allowable Subject Matter

2. Claims 10-25 are allowed over prior art of record.

Reasons For Allowance

3. The following is an examiner's statement of reasons for allowance:

After further search and consideration of Applicants' response filed on September 14th, 2007 (see Applicants' response in Page 2 of the September 14th, response), it is determined that the prior art of record neither anticipates nor renders obvious the claimed subject matter of the instant application as a whole taken alone or in combination, in particular, prior art of record does not teach "wherein said filter device includes a first interference filter structure comprised of a plurality of light transmitting layers stacked on each other, the first interference filter structure being deposited on a face of the colored glass filter; said light receiving device includes a semiconductor photodetector structure having one or more semiconductor layers, a light receiving area being formed in the one or more semiconductor layers within the semiconductor photodetector structure, and the one or more semiconductor layers forming the semiconductor

photodetector structure contain $In_xAl_yGa_{1-x-y}N$ ($0 \le x \le 0.21$, $0 \le y \le 1$)", as recited in independent claim 10.

Claims 11-25 also allowed as being directly or indirectly dependent of the allowed independent base claims.

4. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

- 5. The prior art made of record and not relied upon is considered pertinent to applicants' disclosure.
 - Jung et al. (U.S. Patent 6,069,353) discloses a polymer photodetector having resonant wavelength.
 - Khan et al. (U.S. Patent 5,182,670) discloses a filter device of at least two layers.
 - Fan et al. (U.S. Patent 7,183,598) discloses an ordered microelectronics
 fabrication sequence in which color filters are formed by conformal
 deposition directly onto a photodetector array of a CCD, CID, or CMOS
 imaging device.
 - Assadi et al. (U.S. Patent 6,665,014) discloses an array of photosensitive devices.

> Assadi et al. (U.S. Patent 6,194,704) discloses an photosensitive device formed with a diffractive lens.

However, the prior art fail to anticipated or render obvious the claimed limitation of the instant application as recited in independent claim 10 either taken alone or in combination.

Correspondence

Any inquiry concerning this communication or earlier communications from the
examiner should be directed to Khiem D. Nguyen whose telephone number is
(571) 272-1865. The examiner can normally be reached on Monday-Friday (8:30
AM - 5:30 PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matthew S. Smith can be reached on (571) 272-1907. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

K.N., November 20, 2007

